DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE(IS 2386 (Part 1) 1963 (RA 2007)

Date: 18-02-21

Lab ID	:	**CP-RW-2022-02-02-02**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Drilling of borewells and providing pipeline in ward no.03
Agency	:	Sri.S Somashekar, No.15/44/1, Allalasandra, GKVK Post, Bangalore-560065
Customer Reference	:	BBMP/EE/YNK.D/EPMT-01/W.O/105/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-02-21
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of Test	:	16-02-21

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 400-12
Flakiness Index	11.8%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	13.1%	
Combined Flakiness and Elongation Index for WMM	24.9%	

* The results obtained are satisfactory as per standard requirements.

Note:-

The results pertain to the samples received and tested.

All information Furnished by Customer/ Representative

Any correction in the report will make this report invalid.

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Samples will be disposed after 30 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

End of Report

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TEST REPORT OF AGGEGRATE IMPACT VALUE

IS: 2386 Part IV

Date: 18-02-21

Lab ID	:	**CP-RW-2022-02-02-02**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Drilling of borewells and providing pipeline in ward no.03
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Customer Reference	:	BBMP/EE/YNK.D/EPMT-01/W.O/105/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-02-21
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of Test	:	16-02-21

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	302.5	302.5
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	72.5	75.1
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	229.4	227.1
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.6	0.3
5	Aggregate impact value	(B/A)*100	24.0	24.8
6	Aggregate impact value (Mean of two tests)	Pecentage	24.4	

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT

TEST RESULTS OF GRADATION FOR WMM

Date: 18-02-21

Lab ID	:	CP-RW-2022-02-02-02
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
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Customer Reference	:	BBMP/EE/YNK.D/EPMT-01/W.O/105/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-02-21
Type of Mix	:	WMM (Wet Mix Macadam)
Date of Test	:	16-02-21
Oven Dry Weight	:	11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	202	202	1.8	98.2	95-100
22.4	2144	2346	21.3	78.7	60-80
11.2	2088	4434	40.3	59.7	40-60
4.75	2344	6778	61.6	38.4	25-40
2.36	1788	8566	77.9	22.1	15-30
0.6	1258	9824	89.3	10.7	8-22
0.075	755	10579	96.2	3.8	0-5

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CIVIL Pro Sig Date BANGALORE

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CIVIL PRO
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Certificate No.: TC-5548

QC ABSTRACT

ME OF WORK: Drilling of borewells and providing pipeline in ward no.03

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	WMM	Sieve Analysis	One Test		1	1
		Impact Value	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೦೬

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